

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Kevin A. Gray, et. al.

Application No.: 10/532,944

Confirmation No.: 2689

Filed: (Intl.) October 15, 2003

Art Unit: 1652

For: AMYLASES, NUCLEIC ACIDS  
ENCODING THEM AND METHODS FOR  
MAKING AND USING THEM

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Examiner: Ganapathiram Raghu, Ph.D.

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NON-FINAL OFFICE ACTION AND AMENDMENT**

Dear Sir:

This is in response to the non-final Office Action mailed May 30, 2008 ("the OA"). Applicants respectfully request entry of the amendment and consideration of remarks set forth herein. A response to the OA was initially due August 30, 2008. Applicants herein submit a petition for a two month extension of time to October 30, 2008, under 37 C.F.R. § 1.136, with the appropriate fee under 37 C.F.R. § 1.17. Accordingly, this response is timely filed.

**Amendments to the Specification** begin on page 2

**Amendments to the Claims** begin on page 3

**Remarks/Arguments** begin on page 17

Amendment to the Specification:

In the Sequence Listing:

Please replace the previously filed sequence listing with the substitute sequence listing submitted herewith as an ASCII .txt file into the above-captioned application. A computer readable form of the substitute sequence listing (in ASCII .txt format) electronically filed via EFS-Web accompanies this response. Applicants respectfully request consideration and entry of the substitute sequence listing.

Please insert a new heading and paragraph on page 1, immediately preceding the heading “TECHNICAL FIELD”, as follows:

REFERENCE TO SEQUENCE LISTING SUBMITTED VIA EFS-WEB

The entire content of the following electronic submission of the sequence listing via the USPTO EFS-WEB server, as authorized and set forth in MPEP §1730 II.B.2(a)(C), is incorporated herein by reference in its entirety for all purposes. The sequence listing is identified on the electronically filed text file as follows:

File Name	Date of Creation	Size (bytes)
564462003900Seqlist.txt	October 29, 2008	59,448 bytes